EXAMINER AMENDMENT

54.   (Currently Amended) A method of processing digital mobile phone network data for analysis, the method comprising:

inputting network data captured from a digital mobile phone network, said network data comprising data for a plurality of communications sessions over said network, said network data including a plurality of session related parameters;

inputting query data for one or more queries, a query defining a statistic relating to one or more of said parameters, to be computed from said network data;

formatting a said query to define said statistic in terms of one or more intermediate statistics relating to said one or more parameters and to be computed from said network data, said statistic being computable from said one or more intermediate statistics;

operating with said formatted query on said captured network data to determine said one or more intermediate statistics;

~~storing one or more sets of said one or more intermediate statistics in a data store for analysis;~~

providing said plurality of session related parameters to a data pipe configured to store a time-ordered series of sets of entries by storing said sets of entries at respective time positions of said data pipe, said data pipe comprising at each said time position a storage location allocated to each parameter of a set of expected parameters, said providing comprising writing session related parameters of a message into respective said storage locations corresponding to said session related parameters of said message;

operating a first query by ~~reading~~ utilizing parameters at a first said time position on said data pipe;

storing a result of said first query in ~~a said~~ an intermediate statistic storage location of said data pipe; and

operating a second query by ~~reading~~ utilizing parameters at a second said time position on said data pipe later than said first position and by ~~reading~~ utilizing said stored result in the intermediate statistic storage location.

60. (Canceled).

61. (Currently Amended) A method as claimed in claim 54 wherein said ~~data store~~intermediate statistics storage location comprises a database, the method further comprising determining a configuration for said
database using said inputted query data.

62. (Currently Amended) A method as claimed in claim 54 further comprising analysing data in said ~~data store~~intermediate statistic storage location, said analysing comprising:

       inputting selection data defining selected ones of said one or more parameters;

       reading said one or more intermediate statistics for said related parameters; and

       determining at least one said statistic for said related parameters from said one or more intermediate statistics.

64. (Currently Amended) A system for processing digital mobile phone network data for analysis, the system comprising:

       means for inputting network data captured from a digital mobile phone network, said network data comprising data for a plurality of communications sessions over said network, said network data including a plurality of session related parameters;

       means for inputting query data for one or more queries, a query defining a statistic relating to one or more of said parameters, to be computed from said network data;

       means for formatting a said query to define said statistic in terms of one or more intermediate statistics relating to said one or more parameters and to be computed from said network data, said statistic being computable from said one or more intermediate statistics;

means for operating with said formatted query on said captured network data to determine said one or more intermediate statistics;

~~means for storing said one or more intermediate statistics in a data store for analysis;~~

means for providing said plurality of session related parameters to a data pipe configured to store a time-ordered series of sets of entries by storing said sets of entries at respective time positions of said data pipe, said data pipe comprising at each said time position a storage location allocated to each parameter of a set of expected parameters, said providing comprising writing session related parameters of a message into respective said storage locations corresponding to said session related parameters of said message;

means for operating a first query by ~~reading~~ <u>utilizing</u> parameters at a first said time position on said data pipe;

means for storing a result of said first query in ~~a said~~ <u>an intermediate statistic</u> storage location of said data pipe; and

means for operating a second query by ~~reading~~ <u>utilizing</u> parameters at a second said time position on said data pipe later than said first position and by ~~reading~~ <u>utilizing</u> said stored result <u>in the intermediate statistic storage location</u>.

68.   (Currently Amended) A method of processing digital mobile phone network data for analysis, the method comprising:

inputting network data captured from a digital mobile phone network, said network data comprising data for a plurality of communications sessions over said network, said network data including a plurality of session related parameters;

dividing said captured network data into a plurality of data structures, one for each said communications session;

processing said divided data in accordance with one or more queries to generate statistical data for each of a plurality of said sessions, said query defining at least one statistic relating to one or more said parameters;

storing, in a data store, said statistical data for each of said sessions in association with a session identifier;

wherein network data for a session used to generate said statistical data is retrievable, the method further comprising:

providing said plurality of session related parameters to a data pipe configured to store a time-ordered series of sets of entries by storing said sets of entries at respective time positions of said data pipe, said data pipe comprising at each said time position a storage location allocated to each parameter of a set of expected parameters, said providing comprising writing session related parameters of a message into respective said storage locations corresponding to said session related parameters of said message;

operating a first query by ~~reading~~ <u>utilizing</u> parameters at a first said time position on said data pipe;

storing a result of said first query in ~~a said~~ <u>an intermediate statistic</u> storage location of said data pipe; and

operating a second query by ~~reading~~ <u>utilizing</u> parameters at a second said time position on said data pipe later than said first position and by ~~reading~~ <u>utilizing</u> said stored result <u>in the intermediate statistic storage location</u>.

71. (Currently Amended) A method as claimed in claim 68 wherein said storing <u>in said data store</u> comprises storing indexed by one or more of said parameters.

73.   (Currently Amended) A system for processing digital mobile phone network data for analysis, the system comprising:

means for inputting network data captured from a digital mobile phone network, said network data comprising data for a plurality of communications sessions over said network, said network data including a plurality of session related parameters;

means for dividing said captured network data into a plurality of data structures, one for each said communications session;

means for processing said divided data in accordance with one or more queries to generate statistical data for each of a plurality of said sessions, a said query defining at least one statistic relating to one or more of said parameters; and

means for storing, in a data store, said statistical data for each of said sessions in association with a session identifier;

wherein network data for a session used to generate said statistical data is retrievable, the system further comprising:

means for providing said plurality of session related parameters to a data pipe configured to store a time-ordered series of sets of entries by storing said sets of entries at respective time positions of said data pipe, said data pipe comprising at each said time position a storage location allocated to each parameter of a set of expected parameters, said providing comprising writing session related parameters of a message into respective said storage locations corresponding to said session related parameters of said message;

means for operating a first query by ~~reading~~ <u>utilizing</u> parameters at a first said time position on said data pipe;

means for storing a result of said first query in ~~a said~~ <u>an intermediate statistic</u> storage location of said data pipe; and

means for operating a second query by ~~reading~~ <u>utilizing</u> parameters at a second said time position on said data pipe later than said first position and by ~~reading~~ <u>utilizing</u> said stored result <u>in the intermediate statistic storage location</u>.